

Our Ref : HCTY/CV201610/L19-689  
Your Ref : (3) in LM to EP2/N7/A/78 Pt.7

17 October 2019

By Hand

**Environmental Protection Department**

The EIA Ordinance Register Office,  
27<sup>th</sup> floor, Southorn Centre,  
130 Hennessy Road,  
Wan Chai, Hong Kong

Dear Sirs,

Contract No.: CV/2016/10

Site Formation and Associated Infrastructural Works for Development of Columbarium at Sandy Ridge Cemetery

**Submission of Monitoring and Survey Plan for Golden-headed Cisticola and Bird Nesting (Rev. 2)**  
**(Condition 2.19 of Environmental Permit No. EP-534/2017/A)**  
**(Condition 2.18 of Environmental Permit No. FEP-01/534/2017/A)**

Further to our previous letter ref. HCTY/CV201610/L19-083 dated 31 January 2019 regarding the captioned, we would like to submit herewith a revised Monitoring and Survey Plan for Golden-headed Cisticola and Bird Nesting (Rev.2) incorporating your comments via email on 16 October 2019 for your approval.

Enclosed please find the following documents for your kind perusal: -

- i) CEDD's Clarification Letter regarding Submissions and Notifications,
- ii) Response to Comments
- iii) Certification Letter of the submission from ET Leader,
- iv) Verification Letter of the submission from IEC and
- v) Monitoring and Survey Plan for Golden-headed Cisticola and Bird Nesting (Rev.2)  
(4 hard copies & 1 electronic copy)

Should you have any further comment on our submission, please feel free to contact our Environmental Officer, Mr. Lam at 6159-1140 or Environmental Team Leader, Mr. Tam at 9212-0408.

Yours faithfully,

For and on behalf of

**HSIN CHONG TSUN YIP JOINT VENTURE (CV/2016/10)**



HO Man To  
Site Agent

Encl.

MTH/FL/l

c/c. : CEDD – DPTL  
Ove Arup and Partners H.K. Ltd  
IEC (Acuity)  
ETL (AUES)

– Attn: Mr. Steven Shum  
– Attn: Mr. EVANS Robert Antony  
– Attn: Mr. Jacky Leung  
– Attn: Mr. T.W. Tam

Our Ref: TCS00881/18/300/L0341

**Hsin Chong Tsun Yip Joint Venture**

Hsin Chong Center,  
107-109 Wai Yip Street,  
Kwun Tong,  
Kowloon, Hong Kong

**Attn: Mr. HO Man To**

**17 October 2019**

By e-mail

Dear Sirs,

**Re: CEDD Contract CV/2016/10**

**Site Formation and Associated Infrastructural Works for Development of  
Columbarium at Sandy Ridge Cemetery**

**Monitoring and Survey Plan for Golden-headed Cisticola and Bird Nesting (Rev.2)**

With reference to the captioned plan prepared by the Qualified Ecologist, we confirm that the captioned submission conforms to the information and recommendations contained in the approved EIA Report (Register No. AEIAR-198/2016). We herewith certify the captioned submission pursuant to Specific Condition 2.18 of the Environmental Permit no. FEP-01/534/2017/A and Specific Condition 2.19 of EP-534/2017/A.

Should you have any queries, please feel free to contact the undersigned at Tel: 2959-6059 or Fax: 2959-6079 or Email: [twtam@fordbusiness.com](mailto:twtam@fordbusiness.com).

Yours sincerely,

For and on Behalf of

**Action-United Environmental Services & Consulting (AUES)**



T. W. Tam

Environmental Team Leader

TW/nh

cc Arup (RE)  
Acuity (IEC)

Mr. Steve Tang  
Mr. Jacky Leung

By-email  
By-email



Our ref: CJO4068

Hsin Chong Tsun Yip Joint Venture (CV/2016/10)  
Hsin Chong Centre  
107-109 Wai Yip Street  
Kwun Tong, Kowloon  
Hong Kong

Attention: Mr. HO Man-to

17 October 2019

Dear Sir,

**Contract No. CV/2016/10**

**Site formation and Associated Infrastructural Works for Development of Columbarium at Sandy Ridge Cemetery**  
**Monitoring and Survey Plan for Golden-headed Cisticola and Bird Nesting**

Referring to your email dated 17 October 2019 regarding to the above Monitoring and Survey Plan for Golden-headed Cisticola and Bird Nesting (Revision 2 dated 17 October 2019 with Ref. No. TCS00881/18/600/R0030r2), we have no adverse comment on it. According to condition 2.18 of the FEP-01/534/2017A and condition 2.19 of the EP-534/2017A, we verify the captioned plan conforms to information and recommendations contained in the approved EIA report (Register No. AEIAR-198/2016).

Yours faithfully,

*CH Leung*

Ir Leung CH Jacky  
Independent Environmental Checker

cc. CEDD-DPTL/Land Works – Mr. SHUM Steven  
ARUP – Mr. LEE Davis  
ET Leader – Mr. TAM



PROJECT No.: TCS/00881/18

**CEDD CONTRACT CV/2016/10 –  
SITE FORMATION AND ASSOCIATED INFRASTRUCTURAL  
WORKS FOR DEVELOPMENT OF COLUMBARIUM AT  
SANDY RIDGE CEMETERY**

**MONITORING AND SURVEY PLAN FOR GOLDEN-HEADED  
CISTICOLA AND BIRD NESTING**

PREPARED FOR  
Hsin Chong Tsun Yip Joint Venture

**Quality Index**

| <b>Date</b>     | <b>Reference No.</b>    | <b>Prepared By</b>   | <b>Certified By</b>  |
|-----------------|-------------------------|--|--|
| 17 October 2019 | TCS00881/18/600/R0030r2 | <br>Keith Kei<br>(Ecologist) | <br>T.W. Tam<br>(Environmental Team Leader) |

| <b>Revision</b> | <b>Date</b>      | <b>Description</b>                                     |
|-----------------|------------------|--|
| 0               | 8 May 2018       | First Submission                                       |
| 1               | 18 December 2018 | Revised according to the EPD's comments on 7 Sep 2018  |
| 2               | 17 October 2019  | Revised according to the EPD's comments on 16 Oct 2018 |

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## 1. INTRODUCTION

- 1.1 Civil Engineering and Development Department (hereafter referred as “CEDD”) is the Project Proponent for the Project “Site Formation and Associated Infrastructural Works for Development of Columbarium, Crematorium and Related Facilities at Sandy Ridge Cemetery” (hereafter referred as “the Project”). The Project is a Designated Project to be implemented under Environmental Permit No. EP-534/2017/A. To facilitate the Project management, the Project works were separated into three different Contracts and they are listed below.
- CEDD Contract No. CV/2016/10 - Site Formation and Associated Infrastructural Works for Development of Columbarium at Sandy Ridge Cemetery (hereafter referred as “Contract 1”)
  - CEDD Contract No. CV/2017/02 - Infrastructural Works at Man Kam To Road and Lin Ma Hang Road for Development of Columbarium at Sandy Ridge Cemetery (hereafter referred as “Contract 2”)
  - Other CEDD’s Contract as related Development of Columbarium at Sandy Ridge Cemetery (hereafter referred as “Contract 3”)
- 1.2 Hsin Chong Tsun Yip Joint Venture (hereinafter called the “HCTYJV”) was awarded the **CEDD Contract No. CV/2016/10 “Site Formation and Associated Infrastructural Works”** (hereinafter called “the Contract”) for Development of Columbarium at Sandy Ridge Cemetery on 15 December 2017. In view of the CEDD Contract (CV/2016/10) only covers a portion of location under the designated project, for ease of management, a further environmental permit is therefore applied by the Contractor pursuant to PS Clause 25.00(2) requirement and the Further Environmental Permit (**FEP-01/534/2017**) is granted to HCTYJV by EPD on 23<sup>rd</sup> February 2018 and a variation of Environmental Permit No. FEP-01/534/2017/A was issued by EPD on 24 December 2018.
- 1.3 The Site Formation and Associated Infrastructural Works for Development of Columbarium, Crematorium and Related Facilities at Sandy Ridge Cemetery EIA has evaluated the ecological consequences of the Project and recommended ecological mitigation measures to avoid, minimize and compensate the impact arising from the project. The impacts of unavoidable loss of 10.4ha of Upland Grassland and impacts of fauna arising from lose, disturbance and fragmentation of these habitats.
- 1.4 According the Agreement No. CE 1/2013 (CE) Site Formation and Associated Infrastructural Works for Development of Columbarium, Crematorium and Related Facilities at Sandy Ridge Cemetery – Design and Construction Environmental Monitoring and Audit Manual, there will be a certain amount of vegetation clearance and tree felling required, suspected breeding of several bird species (including Chinese Francolin, Savannah Nightjar, Golden-headed Cisticola and Plain Prinia) which were recorded during the EIA Study (within Project Site Boundary of Western Side (Sandy Ridge), Appendix 9.5, EIA-236/2016, Register No.: AEIAR-198/2016) in the upland grassland will be affected. Pursuant to the Environmental Permit FEP-01/534/2017/A Conditions 2.18 and EP-534/2017/A Condition 2.19, Monitoring and Survey Plan for Golden-headed Cisticola shall be prepared by a qualified ecologist and submitted to the Director for approval. Moreover, baseline survey for Golden-headed Cisticola will be required under Condition 3.2 (i).
- 1.5 Nesting birds would be impacted by the tree felling and vegetation removal including cutting of grassland. All nesting birds are protected under Cap. 170. So the purpose of the work is to carry out precautionary checks on the presence of nesting birds before any vegetation clearance in breeding season (February to July) to avoid any impacts on breeding pairs. An exclusion zone should be established if nesting birds were recorded during the precautionary checks and following by monitoring schedule (**Table 1**).



**Table 1      Monitoring Schedule**

| Stage  |  | Survey Frequency  |
|--|--|---|
| Precautionary Checks                                       |  | Once per each plots before vegetation clearance   |
| Exclusion Zone<br>(confirmed with<br>breeding Territories) |  | Twice per week until young have fledged and are no longer dependent, or territorial activities have ceased (e.g. abandonment of nest) |

- 1.6 All recommended measures as set out in the approved Monitoring and Survey Plan shall be fully and properly implemented to comply with Specific Condition 2.19 of EP-534/2017/A and Specific Condition 2.18 of FEP-01/534/2017/A.

## **2. PRECAUTIONARY CHECKS FOR NESTING BIRDS**

- 2.1 Precautionary checks for the presence of nesting birds will be carried out in the breeding season (February to July) before vegetation clearance. Areas proposed for vegetation clearance will be separated into plots (Figure 1 and Figure 2) and the size of which will be dependent on the programme of works. Precautionary checks will be carried out before vegetation clearance of each plot. Each plot will be walked at a slow pace and cover as much ground as possible.
- 2.2 Surveys for breeding birds will be followed those outlined for Territory Mapping. The territory mapping method allows the distribution of bird territories across the survey area to be determined and from this the number of breeding pairs for each species in the survey area can be derived. During the survey, all accessible internal field perimeters and paths within the survey area will be walked over by the surveyor. During each walkover the location and species of all birds encountered (including both those seen and those heard) were recorded on a map. All birds and their breeding behaviors (including but not limited to direct sight records, calling or singing adults, adults giving alarm calls or other vocalisations which may have strong territorial significance, aggressive encounters between adults, carrying of nesting material, food or faecal sacs, direct observations of birds sitting on, or flushed from, nests) will be recorded from these plots. These observations will be mapped as accurately as possible to build a picture of breeding territories within each plot, and subsequently the Project site, to aid works programmes. Weather conditions during each survey, including amount of rain, wind speed and temperature will be recorded.



### 3. ESTABLISHMENT OF EXCLUSION ZONE

- 3.1 Should any active nests be found during the precautionary check, these should be left intact until the young have fledged or the nest becomes disused (e.g. abandoned). It would be necessary to leave a suitable buffer of vegetation cover around active nests during this time. This should be determined on a case-by-case basis depending on the species and surrounding habitat but should be a minimum of 5m around the nest. Where breeding territories have been confirmed, a suitable exclusion zone from the nest (distance dependent on species) will be set up (using appropriate demarcation fencing) to prevent unauthorized access or accidental disturbance.
- 3.2 The breeding territories will be monitored twice per week until young have fledged and are no longer dependent, or territorial activities have ceased (e.g. through abandonment of nest); following departure from the nest, vegetation clearance can then proceed.
- 3.3 Weekly surveys will be commenced within one hour of sunrise, in order to record new breeding territories and monitor any identified territories.

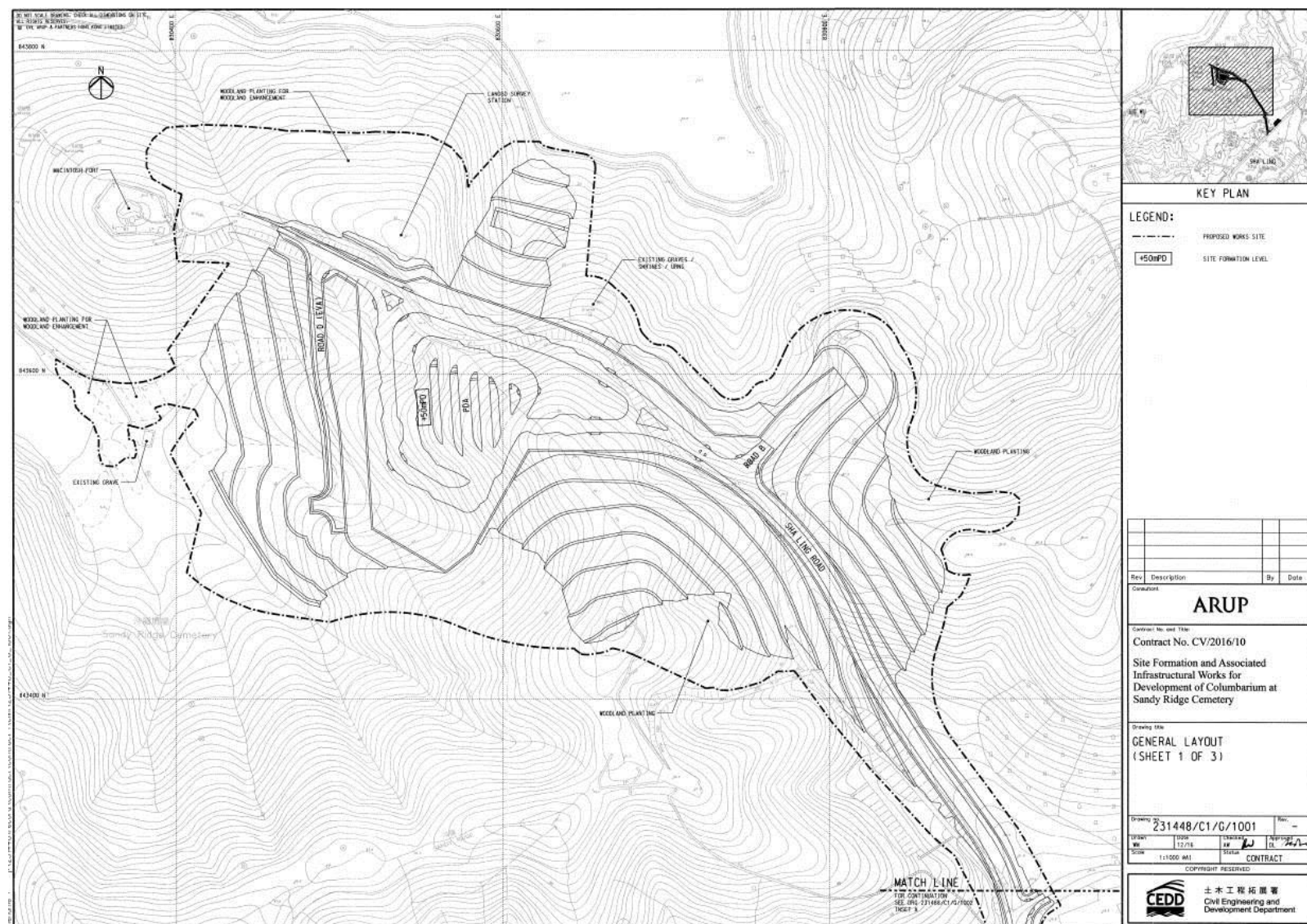
### 4. ACTION PLAN

- 4.1 If any irregularities were identified during the precautionary check or monitoring of active nests, all ongoing vegetation clearance should be stopped until further instruction. Territory Mapping will be used to double check for any new breeding pairs inside the surveyed territories. Vegetation clearance can be resumed until no new breeding pairs were recorded or exclusion zones were established.

**Table 2 Event and Action Plan for Any Irregularities**

| Event   | Action  |  |   |   |
|---|---|--|---|---|
|   | ET Leader   | IEC  | ER  | Contractor  |
| Nesting Bird were identified during Vegetation Clearing | <ol style="list-style-type: none"> <li>1. Identify the species of nesting bird</li> <li>2. Inform the IEC, SOR and Contractor of the findings;</li> <li>3. Conduct Territory Mapping again</li> <li>4. Propose mitigation measures for consideration</li> </ol> | <ol style="list-style-type: none"> <li>1. Discuss the finding with the ET and the Contractor;</li> <li>2. Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SOR accordingly.</li> </ol> | <ol style="list-style-type: none"> <li>1. Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET;</li> <li>2. Make agreement on the measures to be implemented.</li> </ol> | <ol style="list-style-type: none"> <li>1. Inform the ER and confirm notification of the non-compliance in writing;</li> <li>2. Discuss with the ET and the IEC and propose measures to the IEC and the SOR;</li> <li>3. Implement the agreed measures.</li> </ol> |

## **Figures**



**Figure 1 Work Area**



